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**LETTER REPORT
FOR
CLARK OIL SITE
BLUE ISLAND, COOK COUNTY, ILLINOIS
TDD: S05-9711-001
PAN: 7B0101ROXX**

January 30, 1998

Prepared for:

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency and Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604**

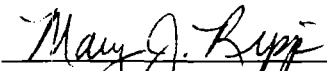
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1/30/98

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Date:

1/30/98

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January 30, 1998

Ms. Gail Nabasny, START Project Officer
Emergency Support Section
United States Environmental Protection Agency
77 West Jackson Boulevard - HSE-5J
Chicago, Illinois 60604

Re: Clark Oil Site
Blue Island, Cook County, Illinois
TDD: S05-9711-001
PAN: 7B0101ROXX

Dear Ms. Nabasny:

The Emergency and Enforcement Response Branch (EERB) of the United States Environmental Protection Agency (U.S. EPA) tasked the Ecology and Environment, Inc. (E & E), Superfund Technical Assessment and Response Team (START), under Technical Direction Document (TDD) S05-9711-001, to assist U.S. EPA with emergency response actions relating to a petroleum spill at the Clark Oil site in Blue Island, Cook County, Illinois (Figure 1).

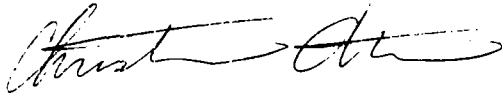
The Clark Oil Refinery is located on a large property intersected by 131st Street and Kedzie Avenue. The immediate area is primarily industrial and is surrounded by residential neighborhoods. The Calumet Sag Channel is located directly adjacent to the facility on the southern side. The area of concern includes Tank 47, a 2,822,148-gallon-capacity, steel, aboveground storage tank (AST) containing premium unleaded gasoline. Tank 47 is located in a tank farm in the southwest quarter of the site, along 131st Street. The tank farm contains tanks of various sizes, either isolated or grouped in containment areas. Tank 47 exists alone in a containment area.

A breach in Tank 47 was discovered at approximately 12:00 p.m. on November 2, 1997. Approximately 50,000 to 70,000 gallons of gasoline had been spilled when emergency response procedures began. At 1800 hours, START members K. Meyer and C. Ottinger arrived on site and met with On-Scene Coordinator (OSC) Steve Faryan, Clark Oil representative Jerry Fields, and Illinois Environmental Protection Agency (IEPA) representative Donald Klopke. The released product was being pumped into five vac trucks at the site. Each truck had a 2,000- to 3,000-gallon-capacity tank. Gasoline remaining in Tank 47 was pumped into a structurally sound tank. In addition, product contained within the bermed area was blanketed with foam to minimize volatilization.

U.S. EPA and START monitored the air quality in the vicinity of Tank 47 and the neighborhood downwind (Figure 2). Wind was blowing from the west-southwest. Peak air monitoring results are listed in Table 1. Air monitors detected pulses of volatile organics. High readings were detected immediately downwind of Tank 47 on 131st Street, within the Clark Refinery property. Neighborhood air quality was not impacted by the spill, although volatile organics as high as 6 parts per million were detected coming from the refinery on Everett Street. The spill containment and removal continued to progress without any problems. The Blue Island Police Department restricted access to 131st Street adjacent to the spill area. After a final round of air monitoring, OSC Faryan authorized demobilization from site. START departed site at 2030 hours.

This Letter Report completes the requirements of this TDD. If you have any questions or comments regarding this report, please contact me at (312) 578-9243.

Sincerely,



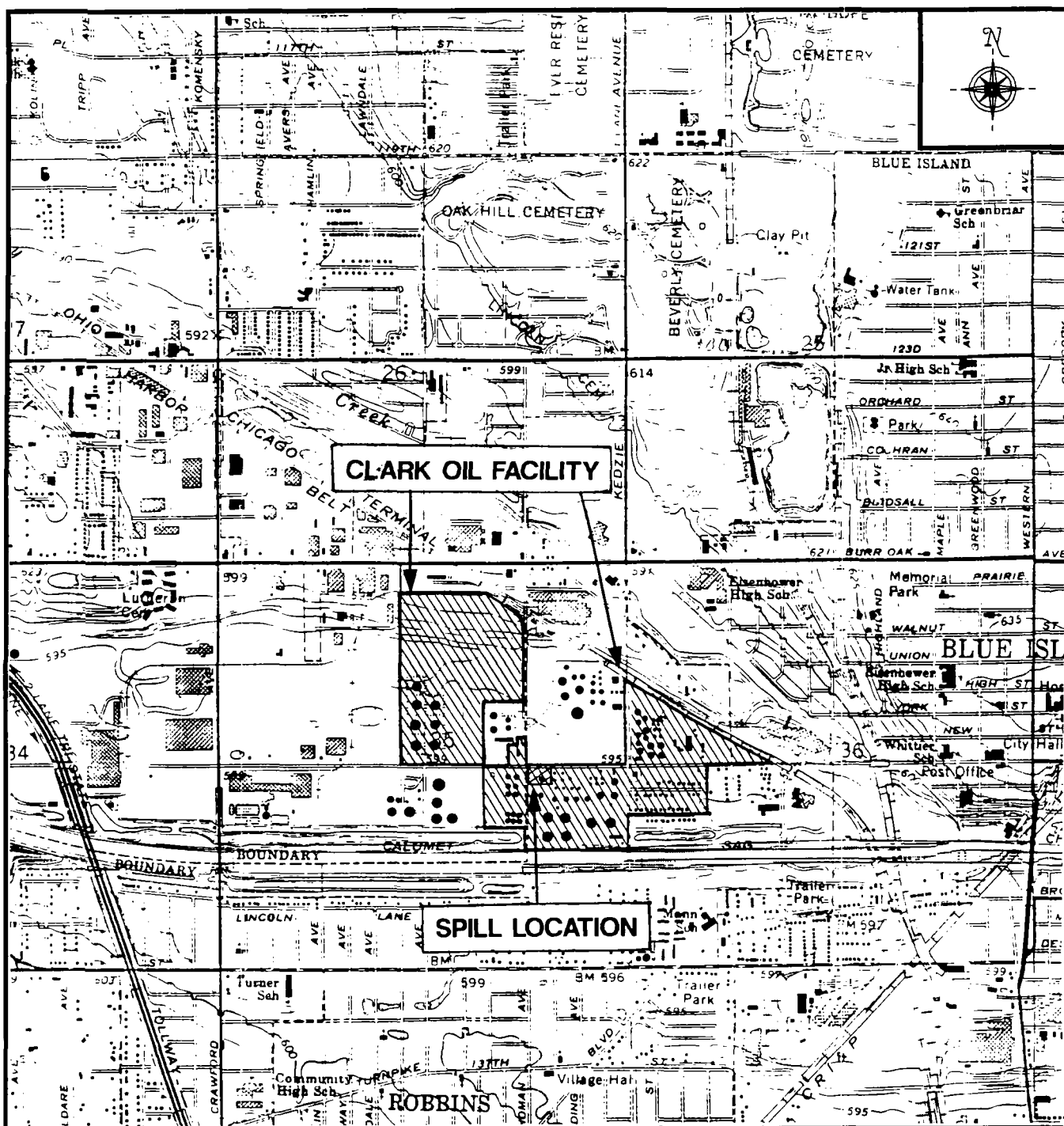
Christianne Ottinger
START Project Manager



Thomas Kouris
START Program Manager

Attachments: Figure 1 - Site Location Map
Figure 2 - Air Monitoring Location Map
Table 1 - Air Monitoring Results

cc: Mr. Steve Faryan, U.S. EPA OSC
START TDD site file



Quadrangle Location



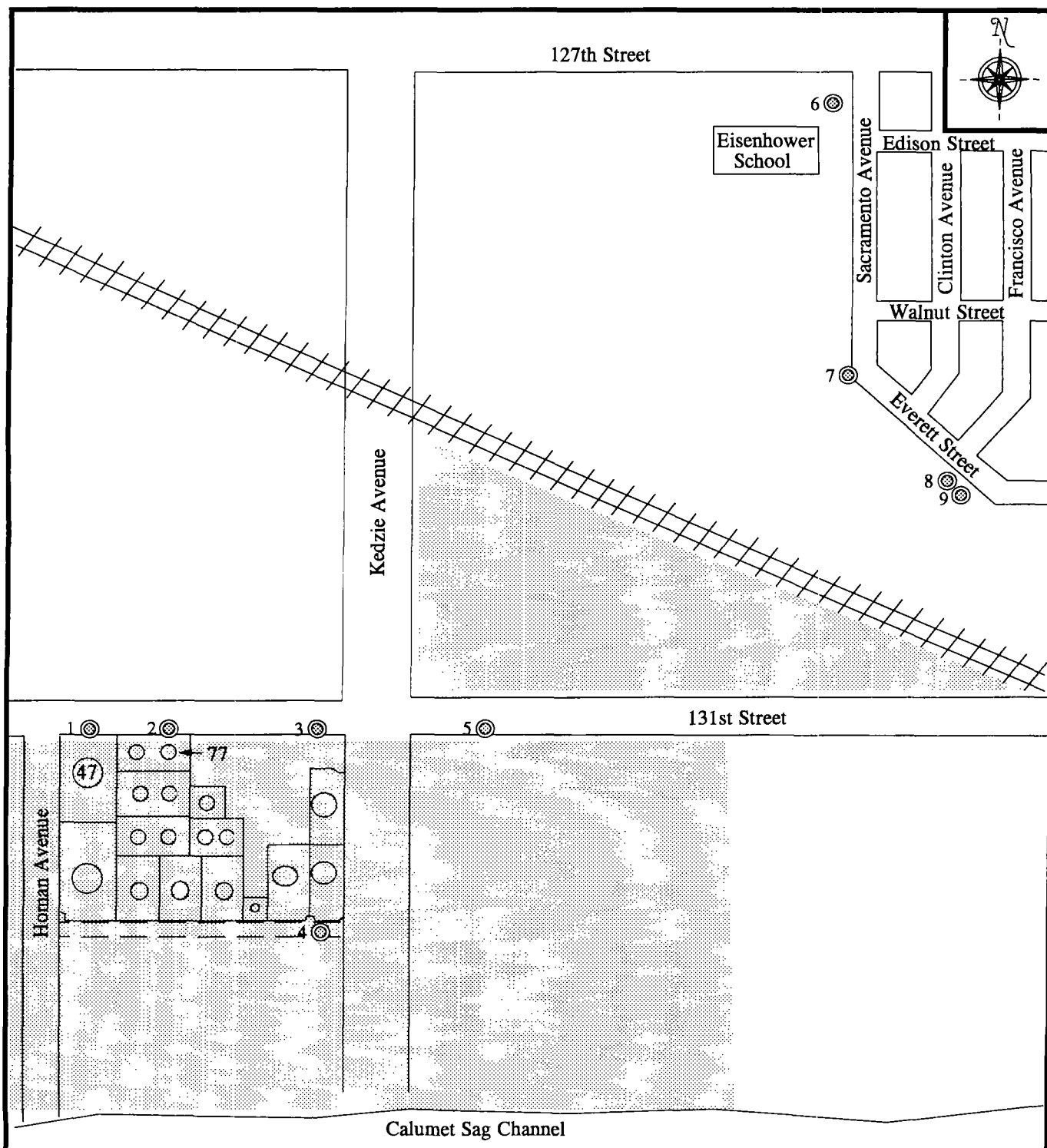
Illinois



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Region 5 - Superfund Technical Assessment and Response Team
33 North Dearborn Street, Chicago, Illinois 60602

TITLE	Site Location Map	FIGURE #	1
SITE	Clark Oil	SCALE	1:24000
CITY	Blue Island	STATE	Illinois
SOURCE	USGS Topographical Map, 7.5' Series Blue Island, Illinois Quadrangle	TDD	S05-9711-001
		DATE	1963
		PHOTOREVISED	1973



Legend

- 1 ☉ Monitoring Location
- == Access Road
- Tank in Containment Area
- ④ Tank 47: Spill Location
- ▨ Clark Oil Property



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TITLE	Air Monitoring Location Map	FIGURE	2
SITE	Clark Oil	TDD #	S05-9711-001
CITY	Blue Island	STATE	Illinois
SOURCE	Ecology and Environment, Inc.	SCALE	Not to Scale
		DATE	11/97

<p align="center">Table 1</p> <p align="center">AIR MONITORING RESULTS</p> <p align="center">CLARK OIL SITE</p> <p align="center">BLUE ISLAND, ILLINOIS</p> <p align="center">NOVEMBER 2, 1997</p>		
Location	Time	Peak Readings
1: North of Tank 47 on 131st	1830 1940 2010	FID=69/Explosimeter=0 PID=69/FID=77/Explosimeter=0 PID=16.8/FID=117/Explosimeter=0
2: North of Tank 77 on 131st	1835 1935 2004	FID=48/Explosimeter=0 PID=0/FID=99/Explosimeter=0 PID=0/FID=29.9/Explosimeter=0
3: Southwest corner of 131st and Kedzie	1842 1934 2000	PID=0/Explosimeter=0 PID=0/FID=0/Explosimeter=0 PID=0/FID=0/Explosimeter=0
4: Access Road off of Kedzie	1848	PID=0/FID=0/Explosimeter=0
5: East of Kedzie on 131st	1850 1930	PID=0/FID=0/Explosimeter=0 PID=0/FID=0/Explosimeter=0
6: East of school at 127th and Sacramento	1855	PID=0/FID=0/Explosimeter=0
7: Sacramento and Everett	1900 1924	PID=0/FID=0/Explosimeter=0 PID=0/FID=0/Explosimeter=0
8: 2851 Everett	1902	FID=6.0/PID=0/Explosimeter=0
9: 2853 Everett	1920	FID=0/PID=0/Explosimeter=0

Key:

PID = Photoionization Detector.
FID = Flame Ionization Detector.

Note:

PID and FID units in parts per million (ppm).
Explosimeter units in % lower explosive limit.